



Animal and Plant
Health Inspection
Service

Veterinary Services

Center for Veterinary
Biologics

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Leptospira canicola Polyclonal Antibody (LC PAb) - Lot ID IRP 491

Document Number: CVB-DAT-0079

Revision: 02

Previous Number: BB DAT0099.04

Vault: CVB-Released

Section/Area: CVB-DAT

Effective Date: 24 May 2021

Notes: *Strain or Source: Anti-LC serum (RO), Fill date: December 5, 2002*

**United States Department of Agriculture
Animal and Plant Health Inspection Service
Center for Veterinary Biologics
P. O. Box 844
Ames, IA 50010**

1. **Reagent Name:** *Leptospira canicola* Polyclonal Antibody (LC PAb)
2. **Strain or Source:** Anti-LC serum (RO)
3. **Lot Number:** IRP 491
4. **Fill Date:** December 5, 2002
5. **Expiration Date:** April 30, 2022

Precautions: There are no known hazards associated with the use of this reagent.

6. **Intended Use:** For use in an enzyme-linked immunosorbent assay (ELISA) as described in **Supplemental Assay Method (SAM) 625** for serial release potency testing of leptospiral bacterins containing serovar *canicola*. This reagent may also be used in a microagglutination test.
7. **Instructions for Use:** Dilute LC PAb 1:1100 in carbonate-bicarbonate coating buffer and use immediately, according to **SAM 625**.
8. **Test of Reagent:** LC PAb has a serologic titer of $\geq 1:6,400$ against *L. canicola* antigen by the microagglutination test (MAT). MAT titers against other serovars are negligible. The optimal use dilution was determined by titration, using the assay described in **SAM 625**.
9. **Container Size, Type, Weight, or Volume:** 0.5 mL aliquots in plastic screw-cap vials.
10. **Storage Conditions:** -20° to -80°C for long-term storage. Vial may be held at 2°- 7°C for several weeks.
11. **CVB Technical Contact:** Bacteriology Section, Center for Veterinary Biologics, (515) 337-7020 or FAX (515) 337-7673.
12. **Origin and Passage History:** Not applicable

13. Method of Preparation: LC PAb was prepared by hyper-immunizing New Zealand white rabbits with heat-inactivated whole cells of NVSL *L. canicola* challenge strain 11203, followed by an injection of viable whole cells. The sera were pooled, filtered, and frozen at -20°C or lower.

14. Other: None

Reagent orders and feedback should be sent *including phone number* to the following email address: VS.DB.CVB.Reagent.Requests@.usda.gov

Reagent orders forms (APHIS Form 2018) can be found on the CVB website.